

PATENT SPECIFICATION

DRAWINGS ATTACHED

1,135,189



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COMPLETE SPECIFICATION

The Outdoor High Voltage Insulator

We, POLITECHNIKA WROCŁAWSKA a body corporate organised and existing under the laws of Poland of Wrocław, ul. Wybrzeże Wyspianskiego 27, Poland, do hereby declare the invention for which we pray that a Patent may be granted to us, and the method by which it is to be performed to be particularly described in and by the following statement:

10 The present invention concerns improvements in outdoor high voltage insulators.

According to the present invention there is provided an outdoor high voltage insulator comprising a trunk integrally formed with (a) a plurality of sheds spaced apart axially of the trunk, the two opposite surfaces of each shed being of sharp-edged stepped formation concentrically with the axis of the insulator, and (b) a sharp-edged peripheral rib between successive sheds.

An embodiment of the present invention will now be described by way of example with reference to the accompanying drawing in which:

25 Figure 1 shows a portion of the insulator, partly in elevation and partly in section;

Figures 2 and 3 are sectional views, on a larger scale, of a step and rib respectively.

Referring to the drawing there is shown 30 a part of a rod insulator comprising a trunk integrally formed with a plurality of

sheds 4 spaced apart axially of the trunk and with a peripheral rib 2 between successive sheds. The two opposite surfaces of each shed are of sharp-edged stepped formation concentrically with the axis of the insulator. Fig. 2 shows the sharp edge 3 of one of the steps 1 and Fig. 3 shows the sharp edge 3 of the rib. The provision of the sharp edges to the steps and rib 40 prevents small discharges from growing into longitudinal arcs. This insulator is particularly useful in polluted atmospheres.

WHAT WE CLAIM IS:—

1. An outdoor high voltage insulator 45 comprising a trunk integrally formed with (a) a plurality of sheds spaced apart axially of the trunk, the two opposite surfaces of each shed being of sharp-edged stepped formation concentrically with the axis of 50 the insulator, and (b) a sharp-edged peripheral rib between successive sheds.

2. An outdoor high voltage insulator substantially as herein described with reference to the accompanying drawings. 55

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1 SHEET

*This drawing is a reproduction of
the Original on a reduced scale.*

FIG. 1.

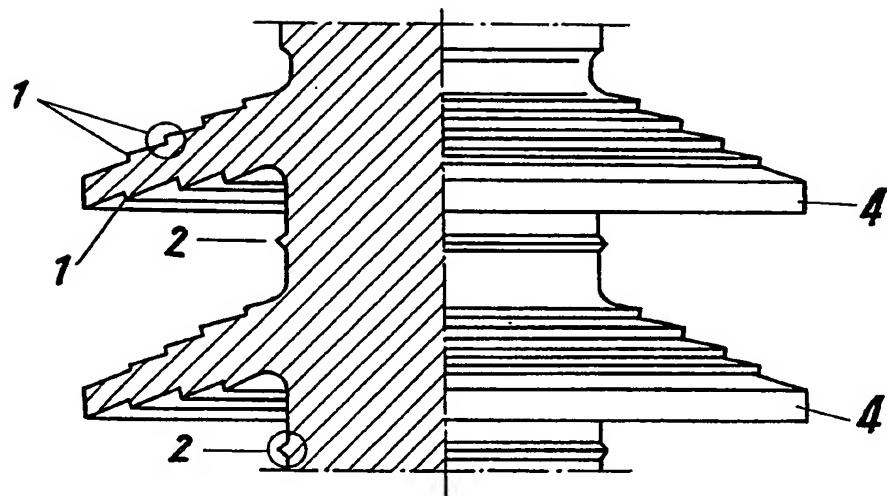


FIG. 2.

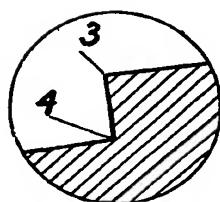


FIG. 3.

